

19990505.qrp v01_n448.qrl.990505

Date: Wed, 5 May 1999 19:03:23 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1448

QRP-L Digest 1448

Topics covered in this issue include:

- 1) [39599] brown brothers
by john <johnmb@mindspring.com>
- 2) [39600] Official Elecraft K2 Field Day Event - Followup
by George Zafiropoulos <georgez@quickturn.com>
- 3) [39601] KI0AF's 15 Meter SST Newsletter Article
by "John Burnley" <burnley-ia@worldnet.att.net>
- 4) [39602] Re: SWL40+
by wa8rxi@juno.com
- 5) [39603] Heard Ben in there....
by Fred Lesnick <flesnick@tbaytel.net>
- 6) [39604] Hollingsworth
by ac5ez@webtv.net (Larry B)
- 7) [39605] FDI
by "Kenneth W. Evans" <w4du@bellsouth.net>
- 8) [39606] Re: DC Receiver Problems
by Jay Freeman <jayfreem@direcpc.com>
- 9) [39607] Wyoming Sked this Saturday
by "John A. Evans" <jae@codenet.net>
- 10) [39608] Houston QRP Group
by "Charles Hamel" <cdhamel@pdq.net>
- 11) [39609] Moxon rectangle notes
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
- 12) [39610] Battery
by RON TODD <k4wz@bellsouth.net>
- 13) [39611] DD-1
by RON TODD <k4wz@bellsouth.net>
- 14) [39612] SB Mayflower report
by Ben Pooley <bpooley@bar.auracom.com>
- 15) [39613] Hello From AA3SJ
by Ed Kessler <edkess@epix.net>
- 16) [39614] DAYTON BUILD-IT CONTEST + RADIO SHOW
by Jim Stafford <w4qo@America.net>
- 17) [39615] Discussions with 5 Great Living Hams (long)
by "James R. Duffey" <jamesd1@flash.net>
- 18) [39616] Oscilloscope Manual
by Terry W Arnall <kb6ebz@juno.com>
- 19) [39617] Dayton Hotel Rooms

- by Hank Kohl K8DD <k8dd@contesting.com>
- 20) [39618] Late Night DX
by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
- 21) [39619] R/S 3A PS Sale
by flydnq7x@primenet.com (Floyd Smithberg)
- 22) [39620] re: solution to Antenna Launching
by Neil Klagge <w0yse@juno.com>
- 23) [39621] Small Wonder Labs
by notajock@juno.com
- 24) [39622] Re: Small Wonder Labs
by "Radman" <radman@best.com>
- 25) [39623] Crass Commercial Message: MFJ-969
by "William Phinzy" <k6whp@gte.net>
- 26) [39624] Any QRP on novice\tech plus bands?
by fred.devries@mindspring.com
- 27) [39625] Re: Any QRP on novice\tech plus bands?
by "Radman" <radman@best.com>
- 28) [39626] Kanga: New owner!
by Dick Pascoe <Dick@kanga.demon.co.uk>
- 29) [39627] Re: Any QRP on novice\tech plus bands?
by "Brian J Keegan" <brimail@home.com>
- 30) [39628] Wanted Century-21
by Charles feigley <wa8cul@gte.net>
- 31) [39629] re: solution to Antenna Launching
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 32) [39630] FS Icom W2A & assc.
by "Francis Callahan" <colcal@srv.net>
- 33) [39631] Re: solution to Antenna Launching
by "Francis Callahan" <colcal@srv.net>
- 34) [39632] DD-1
by RON TODD <k4wz@bellsouth.net>
- 35) [39633] Radiation from fluorescent lights?
by Goran Hosinsky <hosinsky@royac.iac.es>
- 36) [39634] REGEN LINKS
by Brad Bradfield <b_bradfield@yahoo.com>
- 37) [39635] Antenna Launching and the Portable Doublet
by W5TB <w5tb@SoftHome.net>
- 38) [39636] Re: Any QRP on novice\tech plus bands?
by "Rod Cerkoney" <rwc@frii.com>
- 39) [39637] Dayton flight, this time next week!
by PDouglas12@aol.com
- 40) [39638] Easy half watt QRP XMTR from scratch- missing filter data
by Jim Hale <kj5tf@yahoo.com>
- 41) [39639] SB Log - VE5QRP -
by Bruce Rattray <rattray@gpfn.sk.ca>
- 42) [39640] QRP Classics
by Edwin Lappi <ae4ec@usa.net>
- 43) [39641] FW: R/S 3A PS Sale

by "George Goodroe" <goodroe@worldnet.att.net>
44) [39642] Re: SWL SSB transceiver
by "Toru Kato" <jg1rvn@inv.co.jp>
45) [39643] Re: Columbus, uh, Dayton hotels
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
46) [39644] SB - Nova Scotia -
by Bruce Rattray <rattray@gpfn.sk.ca>
47) [39645] Thanks
by fred.devries@mindspring.com
48) [39646] Re: QRP Classics
by olyellr@iglou.com
49) [39647] Launching antenna
by "Mike Yetsko" <myetsko@insydesw.com>
50) [39648] FS: Icom 706
by "Wyman, Michael D" <michael.d.wyman@intel.com>
51) [39649] Re: QRP Classics
by fred.devries@mindspring.com
52) [39650] For Sale...
by Ron Stark <ku7y@dri.edu>
53) [39651] 10m SST
by Wayne Burdick <n6kr@elecraft.com>
54) [39652] Winter Issue of QRPp
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
55) [39653] Re: Plug In Coils for Regens
by "Brad Hernlem" <alihernlem@hotmail.com>
56) [39654] Re: Launching antenna
by Bruce Muscolino <w6toy@erols.com>
57) [39655] Re: QRP Classics
by Bruce Muscolino <w6toy@erols.com>
58) [39656] Small Wonder Labs DSW-40 Review Version 1.0
by Chuck Adams <adams@ticnet.com>
59) [39657] Re: Plug In Coils for Regens
by Bruce Kizerian <kizerian@ced.utah.edu>
60) [39658] {long} Oklahoma Tornados safely observed from New Mexico
by jaywa5whn@juno.com
61) [39659] Screen Savers
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
62) [39660] Using QRP CW rigs for RTTY or PSK31?
by Jeff <fantbb@yahoo.com>
63) [39661] Re: Radiation from fluorescent lights?
by Jim <w7ls@blarg.net>
64) [39662] Re: Using QRP CW rigs for RTTY or PSK31?
by "Chris Cieslak" <ccieslak@law.uiuc.edu>
65) [39663] 10 M SST
by mjfitz@uswest.net
66) [39664] RE: Plug In Coils for Regens
by "Michael St. Angelo" <mstangelo@worldnet.att.net>
67) [39665] AR QRP Net tonight

- by Robsparks@aol.com
- 68) [39666] Re: Using QRP CW rigs for RTTY or PSK31?
by Bill Jones <kd7s@psnw.com>
- 69) [39667] General QRP Questions
by Adam Israel <adam@battleaxe.net>
- 70) [39668] Half watt IC TX
by MKBalvanz@aol.com
- 71) [39669] Re: General QRP questions
by David Maliniak <dmaliniak@penton.com>
- 72) [39670] Re: SB from VE5QRP
by Bruce Rattray <rattray@gpfn.sk.ca>
- 73) [39671] Re: solution to Antenna Launching
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 74) [39672] RE: Plug In Coils for Regens
by PHILLIPS RICHARD <phillips@msoe.edu>
- 75) [39673] Re: Discussions with 5 Great Living Hams (long)
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 76) [39674] Re: solution to Antenna Launching
by "Mike W. Burger" <mike@gold.chem.hawaii.edu>
- 77) [39675] Near completed WM-40 for sale.
by Duffer <hduff@ica.net>
- 78) [39676] Re: solution to Antenna Launching
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 79) [39677] WTB:Assembled NC-20
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 80) [39678] Re: solution to Antenna Launching
by "Joe S" <joe@quadj.com>
- 81) [39679] Note QRP!: Pen Pal wanted
by "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
- 82) [39680] Antenna Launching - Questions
by Bill Jones <kd7s@psnw.com>
- 83) [39681] Very Basic Question
by "Charles Hamel" <cdhamel@pdq.net>
- 84) [39682] Re: Antenna Launching - Questions
by Henry Freedenberg <henryf@quartz.gly.fsu.edu>
- 85) [39683] Re: Very Basic Question
by "Radman" <radman@best.com>

Date: Tue, 04 May 1999 19:17:42 -0400
From: john <johnmb@mindspring.com>
To: qrp-l@Lehigh.EDU
Subject: [39599] brown brothers
Message-ID: <3.0.3.32.19990504191742.00b3dc08@mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> feel your pain... a Very Long Time Ago I owned the paddle/straight key
combo.

>Don't ask what I did with it, it hurts to think about it.

Fear not! I just bought one (the dual paddle, straight key combo CTL-B)
at the Raleigh fest last month.. quite reasonably (though I dont know
what these sell for these days).

Nice paddles!

/John

+-----
| John Brewer- WB50AU/4
| AMI #24 Vintage Radio Website
| <http://www.mindspring.com/~johnmb/>
+-----

Date: Tue, 04 May 1999 16:36:54 -0700
From: George Zafiropoulos <georgez@quickturn.com>
To: qrp-1@lehigh.edu
Subject: [39600] Official Elecraft K2 Field Day Event - Followup
Message-ID: <372F8495.6E23C33E@quickturn.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

By the way... everyone is invited to the Elecraft / SRA Field Day
event! K2 owners, K2 owner "wanna-be's", K2 "tire-kickers" and everyone
else!

Please email if you are interested.

Thanks,

'72 '73 de George KJ6VU

georgez@quickturn.com

Date: Tue, 4 May 1999 18:54:28 -0500
From: "John Burnley" <burnley-ia@worldnet.att.net>
To: <qrp-1@lehigh.edu>
Subject: [39601] KI0AF's 15 Meter SST Newsletter Article
Message-ID: <19990505001454.CMEJ3664@burnley-ppp>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Some of you have written me about having trouble getting the IAQRP Spring Newsletter which has Mike's article about the 15 Meter SST. It is in Word format and huge because of my inexperience with PC formats (hey I'm a mainframe systems programmer and avoid PC's like the plague hi). Fred Spinner W0FMS has converted the newsletter to a PDF format and placed it on his website. My apologies to you all who had trouble in getting the info. Fred has placed the newsletter at:

<http://zeus.ia.net/~spinner/W0FMS/IowaQRP>

The Spring 1999 issue contains his article. We will also have available (soon) more pictures of his SST (which BTW won the IAQRP building contest) as well as his REGEN receiver. Both are works of art and I hope Mike considers entering it into the NorCal REGEN building contest to be held at Hamcom (for those of you lucky ones who get to go I am extremely jealous).

72/73, John NU0V

Date: Tue, 4 May 1999 23:44:50 -0400
From: wa8rxi@juno.com
To: cdhamel@pdq.net
Cc: qrp-1@Lehigh.EDU
Subject: [39602] Re: SWL40+
Message-ID: <19990505.002011.-142713.0.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Charles,
My Instruction Manual was printed March 12, 1998.
On page 9 is a parts placement diagram you will notice the lost Cap.
C109 between C29 & C108.

Rick - WA8RXI Taylor, MI.
Blue, Orange, Green, Brown, Slate!
White, Red, Black, Yellow, Violet, Mate!

=====
On Tue, 13 Apr 1999 10:07:29 -0500 "Charles Hamel" <cdhamel@pdq.net>
writes:

>I am in the middle of building a SWL40+ even finished one toroid, and
all
>looks great so far! I have a question for you veterans on this kit.
>In the manual on page 13 in the diagram, I installed C29, C108, there is
a
>place between these two capacitors for a 3rd capacitor, problem is I
don't
>see a capacitor value that goes here.
>
>Any help will be appreciated!
>
>Charles (KC5DXQ)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 04 May 1999 20:56:54 -0400
From: Fred Lesnick <flesnick@tbaytel.net>
To: "qrp-canada@lists.gpfn.sk.ca" <qrp-canada@lists.gpfn.sk.ca>, qrp-l <qrp-l@Lehigh.EDU>
Subject: [39603] Heard Ben in there....
Message-ID: <372F9755.5DDB52A2@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Heard Ben work K1QM, then heard nothing...thought i was gonna get my
chance...Will keep listening...It is 00:54 z, maybe the band will pick
up...maybe...
72 Fred VE3FAL

Date: Tue, 4 May 1999 20:25:38 -0500 (CDT)
From: ac5ez@webtv.net (Larry B)
To: qrp-l@Lehigh.EDU
Subject: [39604] Hollingsworth
Message-ID: <14540-372F9E12-9087@mailtod-111.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit

MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

Does anyone have Hollingsworths e mail address for complaints , to the
fcc ?

Thanks
K1zw

Date: Tue, 04 May 1999 21:26:11 -0400
From: "Kenneth W. Evans" <w4du@bellsouth.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [39605] FDIM
Message-ID: <372F9E33.4CA4C7EC@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

There is still some space at the Thursday FDIM seminar. We will start
registration at 7 AM on Thursday, May 13. Some welcoming remarks at 8
AM, and then the following excellent speakers.

8:30 L.B. Cebik, W4RNL - "Vertical Antenna design and Analysis"
9:30 Break
9:50 Joe Everhart, N2CX - "PIC-Based SWR Bridge/Tuner"
10:50 George Dobbs, G3RJV - "Constructing QRP Equipment"
12:00 Lunch
1:00 Steven Farthing G0XAR & Jan Verduyn, - "QRP2000 ... an all-band
R2/T2-based Transceiver"
2:00 Dave Benson, NN1G - "Distortion Demystified"
3:00 Break
3:20 Clark Fishman, WA2UNN - "Mixer Madness"
4:20 Russ Carpenter, AA7QU - "QRP Contesting from the Wilderness"

Full info on the banquet, seminar and all FDIM happenings is at
<http://www.qrparci.org>.

If you still plan to register for the seminar by mail , please insure
your form will get to Phil, K4PQC nlt Tuesday, May 11, as we will depart
early on Wednesday.

See you at FDIM,
Ken
W4DU

Date: Tue, 04 May 1999 20:41:29 -0500
From: Jay Freeman <jayFreem@direcpc.com>
To: wd9eyb@butler.indiana.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [39606] Re: DC Receiver Problems
Message-ID: <372FA1C8.FC9DBAD2@direcpc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy all,

Thanks to everyone who sent suggestions for solving my SWBC interference problem. I now have the problem reduced to an occasional annoyance. For the benefit of anyone else in this situation, here's what I tried:

1. I wound every cable (except the coax) going into the rcvr through some toroids I had on hand (not sure what number, they're light blue-grey, about 1 1/4" across). This helped a little, especially when I added one to the interfacing cable between the rcvr and xmtr boxes. This is a shielded audio type cable that provides vfo output from the rcvr to the xmtr (connections inside the cases are made with RG-174), keying for the antenna changeover and sidetone oscillator, and voltage to the "IRT" knob, which is installed in the xmtr's box. I think this cable is the only one that really needs a choke.
2. I reflowed several poor looking solder joints on the link module board. All of these joints were wires going to the 5 pin DIN plug that the above mentioned cable connects to. This helped a lot.
3. The biggest reduction came after I strung up a 15m sloper. I had been listening on a G5RV, but I have no tuner at present to adjust it with. Using a resonant antenna (or nearly so) has almost completely eliminated the problem. I will still sometimes hear the BC audio come up. It seems to happen when the band goes down. As if my trusty rcvr, upon finding it can't provide me with the desired signal, decides to give me *some* signal, just to keep me excited. I am wondering if a ZM-2 would also provide some rcvr pre-selection, as well as xmtr matching. Any thoughts?

Thanks again to a great group!

73,

Jay Freeman - WT9S

Date: Tue, 04 May 1999 19:46:16 -0600
From: "John A. Evans" <jaevans@codenet.net>
To: fistlist@egroups.com, qrp-1@lehigh.edu
Subject: [39607] Wyoming Sked this Saturday
Message-ID: <372FA2E8.C1E8665F@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings All,

Courtesy of my company, I will be in Cheyenne for a bit. Anyone needing Wyoming for WAS or WHATEVER, I will be on the air this saturday from about 7 AM thru noon MDT. I will probably be on 20/30/40m from time to time. I'll stick close to FISTS and QRP calling freqs and will be running QRP on some SSTs and a Sierra. Email me if you want a specific sked at a specific time/freq.

73/72 es CU then !!!

jaevans@codenet.net N0HJ

Date: Wed, 14 Apr 1999 08:51:21 -0500
From: "Charles Hamel" <cdhamel@pdq.net>
To: "QRP List" <qrp-1@Lehigh.EDU>
Subject: [39608] Houston QRP Group
Message-ID: <005701be867d\$e3817a20\$281b90d1@cdhamel>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi All, If any of the Houston QRP Group see this message, please send me an email. My computer died and I lost all email addresses, including the address to the Houston QRP mail reflector, appreciate all the help on the

SWL40+. Its all put together, now needs to be tested!!

Charles (KC5DXQ)

Date: Tue, 4 May 1999 22:21:32 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: QRP-L List <qrp-l@lehigh.edu>, gqrp@onelist.com, towertalk@contesting.com, antennas@qth.net, antennaware@contesting.com
Subject: [39609] Moxon rectangle notes
Message-ID: <Pine.GS0.4.10.9905042217510.29307-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have added some new notes on the Moxon rectangle used as a wire beam on 40 to the site. In the process--to keep the main index from getting longer than it is--I collected all the Moxon related entries on a separate index page (because there may be more with time) and reduced the main index entry to 1--under the upper HF category, even though the collection is a mix of upper and lower HF entries.

Any way, hope the new notes are useful to someone.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off) (423) 974-7215
1434 High Mesa Drive	/	\	\	----	/	---	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	/	/		(FAX) (423) 974-3509
37938-4443 USA	/	\	\	\			cebik@utk.edu
URL:	http://web.utk.edu/~cebik/radio.html						

Date: Tue, 04 May 1999 22:53:17 -0400
From: RON TODD <k4wz@bellsouth.net>
To: QRP POST <qrp-l@Lehigh.EDU>
Subject: [39610] Battrry
Message-ID: <372FB29C.288A6DC0@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Thanks all the help on the Battery charging.

Date: Tue, 04 May 1999 22:54:36 -0400
From: RON TODD <k4wz@bellsouth.net>
To: QRP POST <qrp-l@Lehigh.EDU>
Subject: [39611] DD-1
Message-ID: <372FB2EC.3C58CE45@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Any one using a DD-1 on a NorCal 40a could tell me where to connect to ?

Date: Tue, 04 May 1999 23:56:29 -0300
From: Ben Pooley <bpooley@bar.auracom.com>
To: qrp-canada@lists.gpfn.sk.ca
Cc: qrp-l@lehigh.edu
Subject: [39612] SB Mayflower report
Message-ID: <3.0.6.32.19990504235629.007b0c70@bar.auracom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

VE1AHX "Mayflower" log, May 5, 0000Z - 0200Z

		Sent	Rcvd	
0003Z	K1QM	569	559	Joel, nr Boston MA 4W
0008Z	NA1XX	459/569	559	Mike, nr Boston MA 4W
0014Z	WZ2T	559	599	Rick NY 4W
0025Z	K3NLT	589		Russ PA QRO, "dropped by to say howdy" (get that HW9 fired up Russ!)
0039Z	KA3WMJ	569	559	Ken PA 3W
0123Z	WV3B	589/459	339	Jeff MD QRO, dropped to 5W
0132Z	VE3FUL	469	379	Ted ON QRP-C #75 5W
0146Z	N2ZHY	469	339	David NJ 5W

The Great Noise Generator (what IS it?) parked on 7040, but fortunately not all the time, and the phone rang a couple of times, so my apologies to all I missed, and thanks to all.

Will try to give away Mayflowers this Thurs/Fri 2300Z - 0100Z
on 14060.

72, Ben VE1AHX

Date: Tue, 04 May 1999 22:56:32 -0400
From: Ed Kessler <edkess@epix.net>
To: qrp-l@Lehigh.EDU
Subject: [39613] Hello From AA3SJ
Message-ID: <372FB360.403CCD83@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Everyone:

I just subscribed to QRP-L and have been reading some of your
messages. Sounds like my kind of discussion.

Enjoyed working some of you the other night during the sprint
and hope to see you around.

72,
Ed, AA3SJ

P.S. I have placed my order for Dave Benson's new DSW rig -- looks
like Dave has done a fine job.

Date: Tue, 04 May 1999 23:24:23 -0500
From: Jim Stafford <w4qo@America.net>
To: qrp-l@lehigh.edu
Subject: [39614] DAYTON BUILD-IT CONTEST + RADIO SHOW
Message-ID: <372FC7F7.29AC@America.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey gang,

If you are coming to Dayton (even if you can't make the FDIM on

Thursday), try to bring something to enter in the QRP ARCI Build It contest Saturday night. If you don't want to compete in the contest, then at least bring some things to display for the RADIO SHOW - an exhibit of all those favorite pet projects. Each person will be assigned about a 1/3 of a table to a lay out as many items as you want to show. This will be an "unmanned" display so bring some "graphics" to lay/stand on the table to explain the project(s). A tent card for your name/call/email address will be provided by QRP ARCI. Also, a winner for "best of show" will receive a nice prize. The judging on this will be entirely independent of the Build It contest and will not be based on technical content, but simply creativity and overall appearance, so get those computer graphics churning! Displays could range from a single project to your actual station or more!! All of the Build It contest entries are requested to put their entries on display in the RADIO SHOW for all to see, of course. The time of the RADIO SHOW will be from around 7:30 to 10:30 PM.

If you have questions, email me or go to the
<http://www.qrparci.org/fdim.html>

Thanks and I'll look for your display/exhibit at the QRP ARCI - First Annual RADIO SHOW.

Jim, W4QO

PS Commercial exhibits are also encouraged, but are not eligible for BEST OF SHOW.

Date: Tue, 4 May 99 21:41:22 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: "J. Ervin Bates, W8ERV," <kb8tnq@voyager.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39615] Discussions with 5 Great Living Hams (long)
Message-ID: <199905050343.WAA28732@ares.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Erv - This is in response to your request for people to submit their suggestions for 5 great living Hams and questions to ask them. My suggestions:

Wes Hayward, W7ZOI, has made significant contribution to the development of the modern high performance ham radio receiver and to a resurgence in Ham homebrewing. He started the modern rush to direct conversion receivers with his 1967 QST article. He designed and presented several

high performance receivers that could be reproduced by the average ham builder. These receivers exceeded the performance of the Ham transceivers of the day and many of this day. He wrote several articles describing what was wrong with ham receivers and what kind of performance is really needed from receivers. In the 1970s he developed techniques for measuring the strong signal performance of receivers that is still used today. Wes is perhaps best known as the coauthor with Doug DeMaw, W1FB, of "Solid State Design". "Solid State Design" is still a widely used (and useful) reference more than 20 years after its publication. Few books enjoy such longevity. It has probably given birth to more homebrew ham radio gear than any other book in the history of Ham Radio.

I would ask Wes;

"What are some of the problems with today's Ham receivers? What can be done to remedy those problems?

What kind of receivers would you recommend that QRPers build today?

Where do you think QRPers can contribute the most to receiver design and fabrication?

When is that new edition of "Solid State Design" coming out?

Is there a high performance alternate to the NE602 that QRPers can use to make high performance receivers that are as easy to produce and have as few parts as those built with a 602?

John Kraus, W8JK, is the inventor of the "two half waves out of phase" or W8JK antenna, the helix antenna and the corner reflector antenna. Kraus is also the author of a classic antenna book entitled "Antennas" that appeared first in the early 50s and is still in print today.

I would ask John:

Can you describe the thought process that went into inventing each of the three antennas mentioned above?

What role did amateur radio play in the invention of these antennas?

What role do you think today's amateurs can play in developing new antennas?

Tom Clark, W3IWI, a driving force behind AMSAT and amateur satellites in space. Tom led AMSAT through times, such as the loss of Phase I and through some significant triumphs such as Oscar 10. Tom was also a pioneer in the use of digital signal processing for weak signal work, and in the use by Hams of GPS signals to keep accurate time. Tom is also well known in his professional field of radio astronomy.

I would ask Tom;

Although the amateur satellites are relatively easy to access with

today's modern equipment they seem to be underutilized. Why do you think this is? What can be done to improve participation by the "average ham" in AMSAT and the Oscar satellites?

How did your early involvement in Ham Radio influence your choice of careers?

Joe Taylor, whose call I cannot remember and I have not been able to look up tonight, was, as a teenager, an early pioneer in the amateur use of ionospheric scatter at VHF. Joe went on to win the Nobel Prize in Physics for his work in radio astronomy.

I would ask Joe;

How did your early involvement in ham radio influence your choice of careers and your later professional work which led to the Nobel Prize?

Would you encourage young people who want a technical career to get involved in Ham Radio?

Are there still projects in ham radio, such as your ionospheric scatter work, that young people can get involved in today?

Don Miller, W9WNV, is Ham Radio and DX's "bad boy". He is responsible for one of the most interesting and corrupt times in Ham Radio. In the middle 60s Don was a DXer extraordinaire and operated from many exotic locales. An MD, he could afford prolonged time off and the travel expense. A superb CW operator, Don could work a pileup at 35-40 wpm all day without hesitation. His DXpeditions were usually one or two person affairs. I guess one could say that the "dark side" seduced Don. He solicited "contributions" to support his DXpeditions, and he soon started being "unable to hear" those who did not contribute. This caused some anger among a few honor roll members who did not contribute to Don, did not work him, and consequently slipped a notch or two on the honor roll. They investigated and found out that Don did not always have permission to operate from the places he operated from, and that he did not always operate from the places he said he did. He played several games, including signing the call from his previous location at his present one, a trick that he apparently picked up from earlier famous DXers. He operated from points far removed from his stated location at times. This led to nasty confrontations in the amateur press when it all came to a head, and is one of the few times that Wayne Green reversed his position from a adamant supporter of Miller to his harshest detractor. The last I heard Don was in prison in California (Lompoc?) for trying to arrange the murder of his wife.

I would ask Don:

Why did somebody who is so talented in operating and arranging sites have

to mislead people? Particularly new teenage hams who chased you from exotic locale to exotic locale and tried to work you through the pileups on 20 M with a vertical?

What do you think of today's large DXpeditions? Are they an improvement over the types of operations that you and other DXers of the day such as Gus Browning held?

That is my list. I am sure there are others more worthy, but probably none so interesting. - Dr. Megacycle KK6MC/5

Date: Tue, 4 May 1999 21:09:24 -0700
From: Terry W Arnall <kb6ebz@juno.com>
To: qrp-l@Lehigh.edu
Subject: [39616] Oscilloscope Manual
Message-ID: <19990504.210924.-181289.0.kb6ebz@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi, Does anyone have a manual for a Philips 0-35 MHz, PM 3218 Oscilloscope?
I would be happy to pay for copies if you have one.

73
Terry - KB6EBZ

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 05 May 1999 00:30:31 -0400
From: Hank Kohl K8DD <k8dd@contesting.com>
To: lha@sdr.utias.utoronto.ca
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39617] Dayton Hotel Rooms
Message-ID: <4.1.19990505002655.0149b3c0@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

There are still rooms available on the QRP-ARCI block of rooms.
\$72 + tax per night, two night minimum, at Days Inn South. And

it is a lot closer than Columbus!

For a room I need:

Name

Call

Email Address

Smoking (Y/N)

Nr of beds

Nights WE/TH/FR/SA/SU

73 Hank K8DD

At 04:10 PM 5/4/99 -0400, Laura Halliday wrote:

>Columbus, uh, Dayton hotels

>I made some phone calls this afternoon and the closest hotel

>space I could come up with for the weekend of 15 May was in

>Columbus, Ohio. Last minute arrangements, ya know.

>

>You may read what you wish into this information. Grin.

>

>Laura Halliday VA3LDH "Que les nuages soient notre pied

>Grid: FN03gs a terre..." - Hospital/Shafte

*/ Hank Kohl K8DD k8dd@arrl.net
*/ ARRL TS <http://www.tir.com/~k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/ G-QRP ARRL/LM QCWA/LM QCAO/LM

Date: Tue, 04 May 1999 23:35:03 -0500
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [39618] Late Night DX
Message-ID: <372FCA77.FDF1A959@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

For the night owls on the list, don't forget to check 20 meters after 03:00Z for an occasional DX contact.

I just worked LZ1LZ [Ken] in Sofia, Bulgaria about 03:25 and we exchanged 599 reports, both ways. After I signed and was filling in the log I heard him working another station and head the "/QRP" tacked on the end. I wasn't paying attention and didn't hear the call, just heard the QRP identifier on the end.

I had the rig in a "portable" mode on the dining room table as my ham shack/bedroom closet had just been painted and re-carpeted. I ran the feed line from my mini-yagi wire beam down through the upstairs deck, through a sliding glass door and into the EMTECH NW20. Now, I've got to get up early in the morning and "dismantle" the portable station in order to have breakfast before work. Oh, the sacrifices we QRPer's make. BUT, the DX contact was worth it :-)

72,

Gary, KJ5VW

Date: Tue, 4 May 1999 22:07:05 -0700 (MST)
From: flydnq7x@primenet.com (Floyd Smithberg)
To: qrp-1@Lehigh.edu
Subject: [39619] R/S 3A PS Sale
Message-ID: <199905050507.WAA03468@smtp01.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Radio Shack has the new #22-503 13.8V 3A switching supply on sale for \$39.95 (\$10 off). Small, light, works FB with NC20 etc.
73 Floyd NQ7X Phoenix ScQRPion

Date: Tue, 4 May 1999 23:12:30 -0600
From: Neil Klagge <w0yse@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [39620] re: solution to Antenna Launching
Message-ID: <19990504.232217.-136107.1.w0yse@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Joe S. and gang,

I sure like Joe's idea of using a water bottle to launch an antenna wire. I tried the slingshot method on two different occasions and could never get it to work for me. I even lost my 11/16" socket and tangled up a lot of fishing line. Had a hard time seeing the fishing line too. Finally, during QRPTTF I resorted to using a 1 pound hammer and my spool of nylon twine. I got it up over 30' in the first try and did not lose the hammer! The bottle idea sounds even better as it would be safer than a falling hammer.

72 , Neil, w0yse, a QRP-L digest reader.

"Of all the things I've lost, I miss my mind the most."

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Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 5 May 1999 01:29:43 -0400
From: notajock@juno.com
To: qrp-l@lehigh.edu
Subject: [39621] Small Wonder Labs
Message-ID: <19990505.012944.-119339.0.notajock@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey all,
Does anyone have the url for Small Wonder Labs? I krrrp forgetong to copy it down.

Bob, WA9LSD

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 4 May 1999 23:42:35 -0700

From: "Radman" <radman@best.com>
To: <notajock@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39622] Re: Small Wonder Labs
Message-ID: <199905050640.XAA18595@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

It's getting easier to remember ;)

<http://www.smallwonderlabs.com/>

vry 72,

Conrad -- NN6CW

Does anyone have the url for Small Wonder Labs? I krrrp
forgetong to copy it down.

Bob, WA9LSD

Date: Tue, 4 May 1999 23:43:52 -0700
From: "William Phinizy" <k6whp@gte.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [39623] Crass Commercial Message: MFJ-969
Message-ID: <002d01be96c2\$a48a4720\$5354fcd0@k6whp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I apologize in advance for sullyng the sanctity of this hallowed
list, but does anyone want my MFJ-969 antenna tuner -- 300 watts,
dummy load, roller inductor, low miles, no dust, no scratches?

\$160 shipped to your door.

Date: Wed, 5 May 1999 03:37:02 -0400
From: fred.devries@mindspring.com
To: <qrp-l@lehigh.edu>
Subject: [39624] Any QRP on novice\tech plus bands?
Message-ID: <001e01be96ca\$125568a0\$1e0f8ad1@fred.devries>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have been lurking here for a couple weeks. I intend to test for tech plus ticket in next month or so. Is there any qrp activity HF on the novice\tech-plus bands? Are there particular freq's used for qrp operations on those bands? You are welcome to answer to me privately, if that is better for the list.

Thanks for info.
Fed DeVries
Kalamazoo MI

I support Alan Keyes for President! Go to:
<http://www.keyes2000.com> for more information

Check out my web page at:
<http://www.mindspring.com/~fred.devries/>

Date: Wed, 5 May 1999 01:16:24 -0700
From: "Radman" <radman@best.com>
To: <fred.devries@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39625] Re: Any QRP on novice\tech plus bands?
Message-ID: <199905050814.BAA26182@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Fred,

Welcome to QRP-L :) Try 3.710, 7.110, 21.110 and 28.110 MHz. These calling freqs can vary with country, contest, etc... so I wouldn't just "sit" on those freqs :) Try

tuning around the 40 meter sub-band -- 7.100-7.150 and
give some of the low speed ops a call -- doesn't really
matter if they're QRP or not -- if you can hear them, you
can often work them :-) They'll be amazed you're QRP !

Good luck on your Tech+ test ... you'll do fine :-)

72 - Conrad - NN6CW

I intend to test for tech plus ticket in next month or so.
Is there any qrp activity HF on the novice\tech-plus
bands? Are there particular freq's used for qrp
operations on those bands?

Thanks for info.
Fred DeVries
Kalamazoo MI

Date: Wed, 5 May 1999 09:49:20 +0100
From: Dick Pascoe <Dick@kanga.demon.co.uk>
To: qrp-1@lehigh.edu
Cc: gqrp@onelist.com, g3rjv@gqrp.demon.co.uk, kanga@mail.bright.net
Subject: [39626] Kanga: New owner!
Message-ID: <nxxnQ6HAQYAM3EwCy@kanga.demon.co.uk>
MIME-Version: 1.0

Hi Gang,

I am pleased to announce the changeover of ownership of Kanga Products.

The new owner is:

John Fletcher G4EDX
Sandford Works
Cobden Street
Long Eaton
Nottingham. NG10 1BL

Tel; 0115 9670918
Fax; 08700 568608

Email Sales@kanga.demon.co.uk

Thanks to all customers, past and present.

I know the company is in safe hands with John.

This email address is being passed to John,

Please note my URL will now be Dick.Pascoe@talk21.com

--

Dick Pascoe G0BPS

Date: Wed, 5 May 1999 06:35:47 -0400
From: "Brian J Keegan" <brimail@home.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [39627] Re: Any QRP on novice\tech plus bands?
Message-ID: <002301be96e3\$0bf68340\$12960318@cc1016490-a.vron1.nj.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fred,

There is a fair amount of QRP activity in the Novice/Tech Plus bands and it's not just Novices and Techs. Don't be fooled because you don't hear folks putting /QRP at the end of their call signs. Many of us don't do that when calling CQ or ID'ing. There's a better chance of getting an honest signal report if the other station doesn't know up front you're running low power. And once they know, sending the /QRP is just a waste of time. Let them give you your report then let them know how much power you're using. In most cases it'll impress the heck out of 'em and lead to true discussions about your equipment. Adding /QRP to your call however is a good way to attract other QRP stations if you're looking for 2-way QRP contacts.

I agree with Conrad, tune around the bands and work people. You'll be surprised how common QRP is.

Good Luck,
Brian KF2HC

Date: Wed, 05 May 1999 06:37:43 -0400
From: Charles feigley <wa8cul@gte.net>
To: qrp-l@lehigh.edu
Subject: [39628] Wanted Century-21
Message-ID: <37301F76.A1673CFE@gte.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All,

Am looking for a Ten-Tec century-21 to use as my first hf rig. If you have one yhat you are willing to part with please email me priv. with cond. and price.

Thank you ,
Charlie

--
CHARLES D. FEIGLEY SR. 6030 150 Ave.N.#49 WA8CUL [ex-KE4UON]
LATITUDE 27.93 Clearwater, EL87PW
LONGITUDE -82.73 Florida 33760-2180 GMT-5.0
wa8cul@gte.net

MEMBER:QRP-L #1752---AK/QRP #417 Tech Plus Ham Radio Operator
Society of Amateur Radio Astronomers Marine Radio Operator Permit

Date: Wed, 5 May 1999 07:15:23 -0400 (EDT)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: Neil Klagge <w0yse@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39629] re: solution to Antenna Launching
Message-ID: <Pine.GS0.4.10.9905050710020.16601-1000000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> The bottle idea sounds even better as it would

>be safer than a falling hammer.

Please do not get hit by either on the way down. A pound is a pound, and the impact from a 30' fall is considerable--a brain twister, in fact. And water is hard on sudden impact. Yes, there is a margin of lesser harm from the bottle, but that margin occurs inside the severe potential harm zone. I suggest using rifle-range safety measures before each toss--no one in the firing zone--which is larger than the expected missile trajectory zone.

-73-

LB, W4RNL

Date: Wed, 5 May 1999 05:39:28 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@lehigh.edu>
Subject: [39630] FS Icom W2A & assc.
Message-ID: <199905051137.FAA08171@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For Sale IC W2A 2mtr/440mtr HT with BC72 desk charger, BC77A wall charger, AD20 charge adapter. CP13 cigar lighter power cord with filter, 2 ea BP90 replaceable battery packs with nicads but can also use regular AA batteries, speaker mike, case. Will take a late model MFJ 9040 or some other 40 meter qrp unit as part trade. reply direct colcal@srv.net or 208-357-7431 thanks & 72 Cal KF7ET

Date: Wed, 5 May 1999 05:42:44 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <cebik@utkux.utcc.utk.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39631] Re: solution to Antenna Launching
Message-ID: <199905051141.FAA15674@srv.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Don't ever use a wrench on the end of the line especially if you happen to be stepping on the line when you throw it up as it will snap back and break your nose as I learned from experience doctor wouldn't believe how it happened 72 Cal KF7ET

> From: L. B. Cebik <cebik@utkux.utcc.utk.edu>
> To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
> Subject: re: solution to Antenna Launching
> Date: Wednesday, May 05, 1999 4:15 AM
>
> > The bottle idea sounds even better as it would
> > be safer than a falling hammer.
>
> Please do not get hit by either on the way down. A pound is a pound, and
> the impact from a 30' fall is considerable--a brain twister, in fact.
And
> water is hard on sudden impact. Yes, there is a margin of lesser harm
> from the bottle, but that margin occurs inside the severe potential harm
> zone. I suggest using rifle-range safety measures before each toss--no
> one in the firing zone--which is larger than the expected missile
> trajectory zone.
>
> -73-
>
> LB, W4RNL
>
>

Date: Wed, 05 May 1999 07:52:20 -0400
From: RON TODD <k4wz@bellsouth.net>
To: QRP POST <qrp-1@Lehigh.EDU>
Subject: [39632] DD-1
Message-ID: <373030F4.E1BD4501@bellsouth.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to N0RC for the help with the DD-1

Date: Wed, 05 May 1999 12:15:42 +0000

From: Goran Hosinsky <hosinsky@royac.iac.es>
To: qrp-1@lehigh.edu
Subject: [39633] Radiation from fluorescent lights?
Message-ID: <3730366E.1BC776AC@royac.iac.es>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Sorry, this is not very QRP except that the signal strength must be low.

Does anyone know what type of radiation, frequency etc., that is produced when you switch on normal room lights of the fluorescent type? Just at the switching on moment the lights flash a bit before being completely on. During this phase I got bad problems with interference to a CCD camera.

The camera is on a UPS and have ferrite on the power cable, switching to an ungrounded outlet helped but did not resolve the problem.

Knowing exactly what I have to deal with would make it easier to find a solution.

Saludos

Goran ea8yu

Date: Wed, 5 May 1999 05:37:10 -0700 (PDT)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [39634] REGEN LINKS
Message-ID: <19990505123710.10454.rocketmail@web219.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hey y'all - -

Even if you're not going to participate in the HAMCOM regen building contest, if you're at all interested in learning about regenerative receivers, take a look at the article on Regenerative and Reflex Receivers at: < www.connix.com/~harry/regenrx.htm >. It's an excellent theory presentation, but not written at an engineering level. You'll

also find it in the regen receiver links section of the NORCAL page.
Thanks Doug.

Somehow a regen built with transistors and IC's just seems a bit out of place. Major Armstrong would roll over in his grave. Just like "sailors belong at sea", a regens just gotta be built with bottles!

Oh, well.

72's es 73's,

Brad, W5CGH

Do You Yahoo!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 5 May 1999 08:11:33 -0500
From: W5TB <w5tb@SoftHome.net>
To: qrp-1@Lehigh.EDU
Subject: [39635] Antenna Launching and the Portable Doublet
Message-ID: <v04011700b355ecd0a4c2@[10.4.13.178]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I sure like Joe's idea of using a water bottle to launch an antenna wire...

Thanks to Joe I tried this trick last weekend while operating portable at the folks house. I had the doublet up 30+feet by one toss of the waterbottle over a convenient pecan tree branch. The waterbottle worked FAR better than anything I've tried in 40+ yrs of hamming -- and I've tried a lot. Often with similar results to Charlie Brown and his kite :-)

I'll still bring the slingshot and fishing reel along for those really high branches, BUT for the "quick and easy" 30 to 40' level antenna launcher Joe's water bottle trick is hard to beat.

BTW - The doublet is 33' to a leg and fed with the thin cheap Radio Shack twinlead. weighs only about a pound and is easy to erect and store. One leg is constructed with red wire and one with black to make untangling easy during setup. The center insulator was fashioned from a discarded computer diskette (those holes are just great for tying the wire), the twinlead is fed up thru the center (magnetic diskette removed) -- wires soldered to the twinlead and then the whole thing squirted and smeared with silicone caulk

as needed and wrapped in OD Duct tape with a small loop of rope at the top for tying to the rope which gets tossed over the tree. The soldering iron quickly provided the two extra holes needed in the plastic diskette for attaching the small loop of rope.

The 'rig' end of the 35' twinlead terminates in two Radio Shack solderless bannana plugs. To feed it into the house I used a twin female bannana connector feedthrough from radio shack and 10' of twinlead inside the house to run to the tuner. Once installed I used caulking to cover the wires and ensure no leaks. The doublet plugs into the feedthru connectors and the ten foot inside twinlead (also terminated with two Radio Shack solderless bannana plugs) is run to the MFJ 971 tuner which travels with my ten tec scout. Tunes up like a charm -- zero reflected power on 30 - 10 meters.

I use camouflaged parachute cord to toss over the branch and also to tie off the ends. the antenna is pretty hard to see unless you look very carefully.

The doublet and rope is taken down at the end of the weekend and stored by hanging it from a hook in a closet. This gives me a great antenna which goes up in under 5 minutes upon arrival and comes down just as quickly. Best of all no "unsightly" antennas for mom and dad when I'm not there.

Does it work? -- you bet 40+ CW qso's this weekend - from County Hunter Contest to QRP ragchews. In fact it works so well I'm going to make up a second one to carry with me for other portable operation. All I need is a branch at the 30-40' level, a water bottle, and.... I'm on the air in well under ten minutes.

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRP-ARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: Wed, 5 May 1999 07:27:12 -0600
From: "Rod Cercone" <rlc@frii.com>
To: <fred.devries@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [39636] Re: Any QRP on novice\tech plus bands?
Message-ID: <003201be96fb\$047cd480\$808611d8@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fred:

I echo what the others have said, try and work what you hear, wherever you hear it. Most OPs I've QSOed with are amazed that I am running such low power--typically 1 watt or less. Two of my best contacts were at 100mW! Both OPs were amazed, ecstatic, surprised...etc at my power level, and hung in there asking all kinds of questions, what kind of rig, antenna...etc.

Other than FCC Part 97--NO RULES--go forth and QSO, and above all, HAVE FUN!!! :-)

72/3 Rod, NØRC
Fort Collins, CO
arrl, qrp-l, qrp arc, fists, norcal, cq
da di dah

----- Original Message -----

From: <fred.devries@mindspring.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Wednesday, May 05, 1999 1:37 AM
Subject: Any QRP on novice\tech plus bands?

...

> novice\tech-plus bands? Are there particular freq's used for qrp
> operations on those bands? You are welcome to answer to me privately, if
...

Date: Wed, 5 May 1999 09:55:43 EDT
From: PDouglas12@aol.com
To: qrp-l@lehigh.edu
Subject: [39637] Dayton flight, this time next week!
Message-ID: <faf2efe9.2461a7df@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Here I am, wishing it were next week already. Dayton comes once a year; we anticipate it so eagerly, and it is over so fast. This year will be especially bittersweet, as there'll be old friends to see, and some old friends who won't make it.

FDIM looks like it has a terrific lineup again this year; the prize list for the banquet is so long, there will be a lot of happy QRPers that night. Not to mention the huge, wonderful Hamfest itself.

A couple of summers ago, on a cool late summer afternoon, I was driving home with the top down on the MGB, and I was thinking it doesn't get any better than this. True, but Dayton/FDIM in the springtime is up there in the top ten. Hope to see you there.

Preston WJ2V

Date: Wed, 5 May 1999 07:22:42 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [39638] Easy half watt QRP XMTR from scratch- missing filter data
Message-ID: <19990505142242.16074.rocketmail@web703.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I see that the output filter values are missing from the webpage. Here is the missing data for 10, 15, and 20M. Maybe someone will work out the info for other bands and post it.

Here is the webpage URL again.

<http://members.xoom.com/VLantz/arqrp.htm>

Go to Projects - then Rigs to see the XMTR info. While your there be sure to have a look around! See my "Square Vee" antenna also!

Hope folks will have as much fun as I have had with my N7KSB xmtr!

I 1st saw the plans for this rig in QST 11/94 p. 84 and obtained permission from Lew Smith to reprint his information on our AR QRP webpage.

Output filter values for N7KSB xmtr

Band (M)	10	15	20
C1 (pf)	330	470	680
C2 (pf)	100	150	220
L1	3 turns	4 turns	5 1/2

turns	5/8 inch long	5/8 in long	5/8 in
long			
L2	7 turns	10 turns	12 turns
	5/8 in long	1 inch long	1 inch
long			

C1 and C2 are mica or ceramic; L1 and L2 are "air wound" from #14 wire, with inside diameter of 3/8 inch.

 Do You Yahoo!?
 Get your free @yahoo.com address at <http://mail.yahoo.com>

 Date: Wed, 5 May 1999 08:27:36 -0600 (CST)
 From: Bruce Rattray <rattray@gpfn.sk.ca>
 To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
 Subject: [39639] SB Log - VE5QRP -
 Message-ID: <Pine.LNX.3.95.990505075924.20821I-1000000@neale.gpfn.sk.ca>
 MIME-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII

Here's my log for May 5/99 - 7.0380 - Canadian QRP Spring Bouquet - Best conditions were at the start and then they deteriorated because of the QSB/QRN combination which made the contacts very challenging...I ran my Kenwood TS-430S at 5 watts on the WM-2 watt meter to a delta loop...

```

*****
      CALL      TIME    NAME    QTH    #/PWR      Sent/Rcvd
*****
(1) - VE6EY    - 0104Z - Don   - AB - QRP-C#112 - 339/559 -
(2) - VE6EWM    - 0108Z - Earl  - AB - QRP-C#6   - 579/579 -
(3) - VE6JWA    - 0111Z - Jim   - AB - QRP-C#123 - 559/559 -
(4) - KU7Y      - 0114Z - Ron   - NV - 5 watts    - 339/549 -
(5) - K8CV      - 0122Z - Walt  - MI - 5 watts    - 339/229 -
(6) - KI0II     - 0127Z - Ron   - CO - 5 watts    - 559/599 -
(7) - VE3FAL    - 0130Z - Fred  - ON - QRP-C#11   - 339/559 - - QSB+QRN bad now
(8) - VE6DV     - 0133Z - Dave  - AB - QRP-C#24   - 559/579 -      ditto
(9) - W7SSM     - 0143Z - John  - CA - 5 watts    - 229/579 -      ditto

```

(10)- VE6EWM - 0149Z - Earl - AB - QRP-C#6 - 559/559 - ditto
(11)- K5ZTY - 0204Z - Bill - TX - 5 watts - 559/449 - ditto
(12)- W8DEP - 0220Z - Dave - OH - 5 watts - 339/449 - DITTO!
(13)- N7DW - 0229Z - Russ - CA - 5 watts - 229/339 - DITTO!
(14)- VE6NJK - 0234Z - Niels- AB - QRP-C#41 - 339/449 - DITTO!

....thanks to everyone for sticking in there and I'll be glad to QSL if you wish as I've made up a little Prairie Lilly QSL card on the Deskjet printer using Power Point.

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan, Canada
Amateur Radio Stamp Collector "QRP! How sweet it is!"

Date: 5 May 99 10:42:01 EDT
From: Edwin Lappi <ae4ec@usa.net>
To: qrp-l@Lehigh.EDU
Subject: [39640] QRP Classics
Message-ID: <19990505144201.26182.qmail@aw161.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Can anyone tell me if the book "QRP Classics" is still in print
- who the publisher is if in print and where I might obtain
a copy.n Please reply direct. Many thanks.
72
ED, AE4EC
qrp ARCI # 4227

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=3D1=>

Date: Wed, 5 May 1999 10:43:57 -0400
From: "George Goodroe" <goodroe@worldnet.att.net>
To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [39641] FW: R/S 3A PS Sale
Message-ID: <000001be9705\$b7bb7920\$5a0cfea9@ggoodroe>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For all of those who already bought the RS power supply in the last month...Radio Shack gives 30 days price protection...go back with the receipt and get your \$10 back <grin>

73 de KF4CPJ
George Goodroe, QRP-L #1943
St. Petersburg, Florida USA
80 Meter high noise capital of the USA <grin>
<http://home.att.net/~goodroe>
<http://www.qsl.net/kf4cpj>

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Floyd Smithberg
Sent: Wednesday, May 05, 1999 1:07 AM
To: Low Power Amateur Radio Discussion
Subject: R/S 3A PS Sale

Radio Shack has the new #22-503 13.8V 3A switching supply on sale for \$39.95 (\$10 off). Small, light, works FB with NC20 etc.
73 Floyd NQ7X Phoenix ScQRPion

Date: Wed, 5 May 1999 23:56:12 +0900
From: "Toru Kato" <jg1rvn@inv.co.jp>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [39642] Re: SWL SSB transceiver
Message-ID: <199905051459.XAA00120@inv.co.jp>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hai,all.

I made WM-20 with its enclosure-kit.
It works very nice.
I made contact with JA KH2 KH0 T88 VK with 59.
Nice 2W output 14MHz SSB rig !.
Especially I like its PIC freq-counter,it is useful.

And the white colored enclosure-kit looks very nice.
The digital WM's(like DSW) will be very much appreciated, if possible.
72's

JG1RVN Toru Kato
Tokyo Japan
JARL QRP CLUB #508

Date: Tue, 04 May 1999 16:47:59 -0400
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: lha@sdr.utias.utoronto.ca
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [39643] Re: Columbus, uh, Dayton hotels
Message-ID: <372F5CFF.BAA05E77@gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Laura

Word on the street is that a significant percentage of those hotel reservations are not confirmed with credit card numbers and that there will be no shows on the evening of the convention. If you know what hotel you are interested in, you may want to go anyway and be sure to be at the hotel at 1800 when the unconfirmed reservations roll over. You will probably wind up with something. If not, there is always Columbus. I thought about coming up....Airtran has \$120 round trips out of JAX but I am already committed to Springfest in Pensacola. Anybody up for a QRP mtg in Springfest?

Zut alors

Ou sont les nieges d'entretemps?

Ah, quelle frommage..eh?

M. Henri
aka N5HF

Laura Halliday wrote:

> I made some phone calls this afternoon and the closest hotel
> space I could come up with for the weekend of 15 May was in
> Columbus, Ohio. Last minute arrangements, ya know.

Date: Wed, 5 May 1999 09:01:33 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Cc: Earl Murphy <earlmurf@telusplanet.net>
Subject: [39644] SB - Nova Scotia -
Message-ID: <Pine.LNX.3.95.990505085636.25506B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Just trying to make sure I understand when Ben will be on from Nova Scotia as the Mayflower Flower station in our Spring Bouquet event...I think Ben said he'd be on 14.060+/- on Thurs/Fri from 2300Z to 0100Z.....which translates to Thursday evening, 5:00 pm to 7:00 pm local Regina time..... right now we're 2 hours behind the East local time...I've sent an e-mail to Ben to confirm that I haven't mucked it up again!...I NEED the Mayflower!...HI HI....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan, Canada
Amateur Radio Stamp Collector "QRP! How sweet it is!"

Date: Wed, 5 May 1999 11:01:58 -0400
From: fred.devries@mindspring.com
To: <qrp-l@lehigh.edu>
Subject: [39645] Thanks
Message-ID: <008101be9708\$39eb3140\$1e0f8ad1@fred.devries>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dear QRP friends,

I am overwhelmed by the number and especially the kindness of your replies to my question about QRP in the novice bands. Me thinks that qrp-l is a good place to be.

(Get ready for many more questions when that ticket comes!)

Thank you all

73 Fred

Date: Wed, 05 May 1999 11:13:02 -0400
From: olyellr@iglou.com
To: ae4ec@usa.net, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [39646] Re: QRP Classics
Message-ID: <3.0.5.32.19990505111302.007937f0@pop.iglou.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:42 AM 5/5/99 EDT, Edwin Lappi wrote:
>Can anyone tell me if the book "QRP Classics" is still in print
>- who the publisher is if in print and where I might obtain
>a copy.n Please reply direct. Many thanks.
>72
>ED, AE4EC
>qrp ARCI # 4227

If all else fails you might try the library. Our main branch has that as well as Doug Demaw's "Notebook", and also "QRP Power".

GL es 72,
Mike

de AF4LQ 99% CW OP
FISTS ARCI QRP-C QRP-L
<http://members.iglou.com/olyellr/>

Date: Wed, 5 May 1999 11:24:17 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39647] Launching antenna
Message-ID: <010001be970b\$8bf6e300\$9001a8c0@mikey>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I've seen the discussions on water bottles, sling shots, spud guns, whatever, to launch an antenna wire.

I just have to remind people to be careful out there. One problem with sling shots and bows and arrows is that if the cord or wire that you are trying to 'feed' binds or catches at all, what you're trying to 'throw' out there can come back with a vengeance. They make special reels for bows for fishing, and that might be a good place to start. These are 'tapered' reels and I guess won't bind near as easily as other feeding reels.

Loosing an eye is not good! (It's a subject to remind poeple of with me right now. One of the scouts in my sons troop just lost an eye in a situation that you wouldn't normally expect to have happened.)

The other issue is legality. I know, MASS is a strange state. We can own fully automatic firearms here, but sling shots are prohibited. That's not to say they don't exist! And lots of stores sell replacement rubber. But we have to go out of state to get the sling shot itself. Just something to be aware of if you're doing something at an event and want to show off for the public. Being arrested when you launch your antenna? Probably not likely. But it will sure make a negative impression on any cop in the crowd.

Mike Yetsko

Date: Wed, 5 May 1999 08:28:12 -0700
From: "Wyman, Michael D" <michael.d.wyman@intel.com>
To: "'Low Power Amateur Radio Discussion'" <qrp-1@Lehigh.EDU>
Subject: [39648] FS: Icom 706
Message-ID: <3D33CF40366DD111AC4100A0C96B22AC03E6330C@fmsmsx34.fm.intel.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Hi all,

I have an Icom 706 that I used as a backup for my base station. I no longer need it as I am using the K2 as primary station so I would like to sell the 706. It has only been used about 10 hours and never been in a

mobile. I have the mounting bracketry for remote use as well as the mike and user manuals in the box. I am looking to get \$725 for the works. Please let me know if anyone is interested.

72 de Mike Whiskey1DRY

Date: Wed, 5 May 1999 11:35:39 -0400
From: fred.devries@mindspring.com
To: <ae4ec@usa.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39649] Re: QRP Classics
Message-ID: <009201be970c\$efede6a0\$1e0f8ad1@fred.devries>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Amazon.com shows that title as out of print, but they will do a search for the title.

73

Fred

-----Original Message-----

From: Edwin Lappi <ae4ec@usa.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, May 05, 1999 10:42 AM
Subject: QRP Classics

Can anyone tell me if the book "QRP Classics" is still in print - who the publisher is if in print and where I might obtain a copy. Please reply direct. Many thanks.

72

ED, AE4EC

qrp ARCI # 4227

Get free e-mail and a permanent address at <http://www.amexmail.com/?A=1>

Date: Wed, 5 May 1999 08:50:42 -0700 (PDT)
From: Ron Stark <ku7y@dri.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [39650] For Sale...

Message-ID: <Pine.SOL.3.96.990505083654.25620A-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi All,

I need to get rid of 3 radios to make room for one!

I'll post here first to see if anyone wants one or more and then it's off to the other spots....

1)

FT-101-EE160, 80, 40, 20, 15, 11 and 10 meters
12 VDC mobile power cable
mic
Original manual
Some Fox Tango news letters \$295

FV-101 Matching external VFO \$135

Matching external speaker \$55

\$485

I used this QRP for several years. It has all the Fox Tango mods and CW filter installed. WARC band kits are available from INRAD. This is a real classic rig and is in very good shape. I'd give it a 9.5 out of 10.

Whole package is \$350 + shipping/COD

2)

TS 930AT

This is a 160-10 radio with a super full coverage RX. It works well at QRP levels and I use it as my second radio for contesting. This has the built-in automatic

antenna tuner. Good QSK. CW filter and built in audio filter. Original manual.

\$700 + Shipping

3) TS 130

This is the 100w model. It has the CW filter and is a very nice mobile rig. I used it in my old pick up and car for about 2 years. Works well at QRP levels. Includes mic, original manual and a copy of the service manual.

\$400 + Shipping

I'll also have some little goddies for sale as soon as I gather them all up so I know what I have! :-)

Thanks for the B/W,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 5 May 1999 09:17:04 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: mjfitz@uswest.net
Cc: qrp-l@lehigh.edu
Subject: [39651] 10m SST
Message-ID: <v0310280ab3561d3dbb48@[206.169.228.106]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Mike,

Congratulations on your 10M SST. I haven't designed Wilderness versions of the SST on 12m and up because the overall RF gain is a bit low on these bands.

Your doubler approach is interesting. Note, though, that you can also use a 23 or 24MHz range fundamental crystal. They're available from ICM and other suppliers. You might even consider using a higher I.F. so that a somewhat lower frequency VXO could be used.

I'm curious what frequency range you chose for your 10m SST. It seems that CW and QRP operation can be found from 28.0-28.1, with no narrow QRP range as on the lower bands. This is a bit of a problem for a rig with a small VXO range.

In any case, I hope to work you K2-to-SST on 10m someday. It's one of my favorite bands.

73,
Wayne Burdick
N6KR

Date: Wed, 5 May 1999 09:26:47 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-l@lehigh.edu>
Subject: [39652] Winter Issue of QRPP
Message-ID: <01be9714\$129ef520\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Has the winter issue of QRPP arrived anywhere yet? Paul and I are concerned that there has not been a mention of it yet. 650 were mailed on Thursday and 750 or so were mailed on Saturday, including the DX copies. You don't have to post to the list, but please email me if you have received it. Thanks for the help. 72, Doug

Date: Wed, 05 May 1999 09:57:20 PDT
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [39653] Re: Plug In Coils for Regens
Message-ID: <19990505165721.21007.qmail@hotmail.com>
Mime-Version: 1.0
Content-type: text/plain; format=flowed;

Hendricks, Doug (ki6ds@dpo1.k12.ca.us) wonders:

>I started to think about that and thought it would be neat to have a plug
>in coil form to change bands on the Regen. For the >coil form, use
>1/4" pvc pipe which I think has an outside diameter >about 1/2" or so. ...
>etc.

I like to use 1" dia. clear acrylic tubing for coil forms. There is a chain
in CA which sells the stuff (TAP Plastics). The tubing comes in various
diameters and is 1/16" thick up to 1" dia.

I use octal plugs for connections. However, it sounds like you guys are
going small size as well as QRP. :-)

Regards,

Brad

Get Free Email and Do More On The Web. Visit <http://www.msn.com>

Date: Wed, 05 May 1999 13:17:05 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: myetsko@insydesw.com
Cc: QRP-L@LEHIGH.EDU
Subject: [39654] Re: Launching antenna
Message-ID: <37307D11.6F2F@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike,

Fully automatic firearms? You can own them anywhere in the USA if you
are approved by the BATF! I think you mean semi-automatic. The
difference is small but significant. A fully automatic will fire UNTIL
you release the trigger, a semi-automatic fires each time you pull the
trigger.

73

Date: Wed, 05 May 1999 13:18:31 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: fred.devries@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [39655] Re: QRP Classics
Message-ID: <37307D67.2311@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

QRP Classics is OUT OF PRINT. Look for it at used bookstores and hamfests.

73

Date: Wed, 05 May 99 12:33:49 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-1@lehigh.edu>
Subject: [39656] Small Wonder Labs DSW-40 Review Version 1.0
Message-ID: <E10f4mp-0007zp-00@smtp.ticnet.com>

-- [From: Chuck Adams * EMC.Ver #2.5.02] --

Small Wonder Labs DSW-40 Review
By Chuck Adams, K5FO

May 05, 1999

Being a fan of all the Dave Benson, NN1G, rigs and not having built one in some time I was excited to hear the announcement of the DSW-40 from Dave. So it is with a great deal of pleasure that I write a review on one of the first ones to get built from a group of beta versions sent out by Dave.

Some background information for those new to what goes on in the engineering world. The development of any new piece of equipment requires a great deal of time, energy, money, and effort on the part of

the designer and company in order to insure that the final product works and can be built by many hams worldwide. Variations in parts tolerances, etc. can make for some serious headaches for a company if care is not taken up front to insure stability and reproducibility in results for a large number of builders. So there is the alpha-version which the designer builds/prototypes/etc. The alpha is the prototype that usually isn't seen outside the walls of the lab or off the workbench. Then there comes the beta-version where a few chosen individuals get an early version of the parts and boards and instructions and do a detailed report back to the owner on suggestions/problems/comments that hopefully add value to the equipment and end up in the final version or go to make the final version better. Beta builders get to find the typos and suggest some wording changes that might be a problem for the new builders. You old timers don't read the manuals anyway. :-)

This review is written from the building of a beta-version. There may be some changes that Dave comes along with from what is described here, but only minor changes probably as I find the rig worked just fine and is on the desk in use as this is being written. In fact, I just finished a QSO with K5ZTY in Houston with the rig running at 1W and using a long wire on 40 meters.

First of all let me list the appropriate information from Dave and Small Wonder Labs (<http://smallwonderlabs.com>).

Rig: DSW-40
Bands: 40 and 20 meters with others to follow
Mfgr: Small Wonder Labs, 80 E Robbins Ave, Newington, CT
06111 dave@smallwonderlabs.com
<http://smallwonderlabs.com/>
Avail.: At Dayton Hamvention and thereafter
Price: About \$90 for the board and board parts. Optional case to be priced by Dayton and shown at Dayton.
Size: Board is about 7.0cm x 11.0cm which is the same size as the SW-40+ board
Output: 2.5W nominal at 13.8V
Supply Voltage: 8-15V
Current: About 32mA on receive
Sidetone: 800Hz, fixed
SFDR: >60dB over specified frequency
TTDR/MDS: equal to SW+
IF: ~500Hz for any band

All this information found on Dave's web page.

I won't bore you with all the gory details of building it. It went

together in about 6 hours for me, so don't hold me or anyone else to that timeline. Take your time and do it right. I'd say allow yourself about 8 hours or so for the board. If you did the Elmer101 project and have built the SW-40+ or other similar single band rigs you can build this one. In fact, it is much simpler as I will explain.

The SMT parts for the DDS are already mounted and checked out by Dave. This is a neat start as even with my expertise and supply of building equipment I know that I don't have an soldering iron in the house to do the DDS chip (AD9835) which is the Direct Digital Synthesizer chip which has very small lead spacing. You do get to do two SMT inductors but these are done first and are not difficult. Just be careful and follow the instructions.

The layout is very similar to the SW-40+ and you'll recognize the similarity to it from comparison of both schematics if you have them.

There is a PIC processor (PIC16C622 from Microchip) which does the control of the DDS and is the keyer and freq-mite and RIT all in one small package....

I got the package from Dave in the afternoon but delayed until 9pm at night to start as I know how I am when I get started on these things. Sure enough at 3a.m. I have the board completely done. I find a gel-cell, the ear-buds, and a wire clip lead to hook up the antenna and then I power it up. No noise so I check and by clipping the antenna to the first point past the coupling cap from the PA filter I can hear noise. Tuning around I hear an EA8, DL7, G4, and a KH6 on 40 meters. OK, receiver is working but only for DX.... :-)
I know I have a problem in the Cheby filter section so it's off to bed.

Next morning I get back to the rig and do a signal trace with the VE3DNL marker generator. Sure enough it looks like a short in the Cheby filter section. Turning the board over and looking carefully I find a connection between one of the filter caps and ground. As it turns out the board mfg did this. Email to Dave confirms this as the board layout figures show no such land, so good thing manufacturers have a few boards made to find these kinds of errors and in this case it was not Dave's fault. Exacto knife fixes the problem in short order. OK, peak the transformer on the front end and the receiver is completely tuned.

Setup the paddle and check the transmitter and it is working. Only 0.9W out. I get the voltmeter out and the gel-cell is at 11.08V. Why is it that I always do this? But hey, it's working so keep on going. No chirp or any other problems and the voltage is within Dave's specs. I then make the only other adjustment you have to make and that is to set the receiver offset to match the transmitter frequency and I'm all done. It's just too simple.

As a side note on the low voltage. This is good news for the gang that likes to play in the fields with radios. If your battery gets low you can still keep working on the air but just at a reduced output power....

Then I take the rest of the day to take a TenTec TP-19 case and prime it with grey paint and drill the holes for everything. Pictures at the web site (<http://www.qsl.net/k5fo>) of all this work in progress. Give me an hour after you see this posting to get the pics out there and pointed to....

So, it now sits on the operating desk and on the first night I worked TX, AZ, and FL. The FL station being Mac, KF4KSM/QRP, a member of this group. All three Qs in response to my CQs. This was the 3rd of May and today, the 5th, I got a response from Bill, K5ZTY, in Houston to another CQ on 7.040MHz with no QRM/SSB/... A miracle unto itself. The other night around 7.040MHz I had a digital station very loud purposely follow me around causing QRM. There were no other stns nearby and when I moved he moved for about 5 times. Then I really moved up into the Novice band. This rig tunes from 7.000MHz to 7.3000MHz with no problems. See the notes below. As I write this with the earphones on I can hear digital stations pinging away on 7.040MHz and it's not RTTY...

So what we have here is a complete rig in a small package requiring only an ant, battery, and paddle externally and you are up and running. Neato.

So, in summary here are some notes from K5F0.

- o Tuning range the entire 40 meter band 7.000MHz to 7.3000MHz
Note that this takes a significant number of turns of the dial. :-)
This at 6KHz per turn and I don't want to do the math for 1.5KHz/turn...
- o Constant output for the entire 40 meter band with just a minor degradation into the Novice band like 0.90 at 7.120MHz
vs 0.95W or so at 7.040MHz and this probably due to ripples in the Chebyshev filter
- o On power up the rig comes up at 7.040MHz on the nose.
I suggested that Dave add a feature to come up in the Novice band if the RIT switch is on at power up. He'll note that if he decides to do it.
- o Keying speed 5 to 50wpm and it comes up at 15wpm
- o Freq is announced by pushing tuning knob in for an instant. The thing that I love is that if you are using the keyer at 40wpm then the freq is announced at 40wpm. No waiting on slow speeds here.
- o RIT is unlimited!! You can tune to the frequency you want to transmit on then tune the receiver to the DX station and that station can be 50KHz away. You really wouldn't go that far but you get the point.

- o Front panel layout that I used was TUNE, GAIN, RIT, Keyer Button, and PHONES. See web pics.
- o Rear panel layout PADDLES, POWER, and ANT. That's it.
- o Initial stepping is at 200Hz with the tuning dial using an encoder. But pushing knob in and holding it a sec or two you can get the finer 50Hz steps. I was asked how I like this and I like it fine. Now if you wanna move a long distance from 7.040MHz then you have some dial twisting to do, but it is fine as most of us won't move that far anyway.
- o 6KHz per dial revolution at 200Hz step size. Hint: put the knob that you are using, the usual Mouser in my case, with any dot in the vertical (12 o'clock) position when you power up the rig. This will be 7.040MHz. If you make 3 revolutions going up, then you'll be at 7.058MHz the FISTS calling frequency. :-)
- o Neato. I did find that if I spin the dial rapidly then you can cause the micro to miss some increments but this is to be expected so don't tune too rapidly.
- o Filter is about 500Hz and you can miss a signal by tuning too rapidly. I've seen this before in the Uniden 2510 on 10 meters and all digital rigs I expect do this.
- o Keyer controls are speed, reverse to change dit/dah paddles to opposite paddles, tune, straight key. The thing that I like that Dave did here is that when you push the keyer button it starts cycling through the options and you don't have to sit and hold the button down to get to the next option. When the one you wanna change comes up you hit one of the paddles to stop and do whatever it is you want.
- o Equipment needed for alignment. None. You use your ears for peaking the front-end. The receiver is plenty sensitive.
- o There may be enough power to drive a small speaker but it is spec'd only for earphones and there is plenty of drive.
- o Some noise in the audio but this gets masked by atmospheric noise when the rig is connected to an antenna and the gain increased.
- o ONLY 4 toroids to wind and they don't have that many turns.
- o Only 2 tuning adjustments.
- o No test equipment needed if you don't run into problems.
- o Excellent receiver and I can't hear any digital generated noises that I recognize.
- o A thing that I learned in playing with the radio. Say you spin the dial and destroy the fact that 7.040MHz is with the dot vertically upward on the dial. Well, just tune in at 7.040MHz, enable RIT, move dial to desired position and then disable RIT. You immediately go back to 7.040MHz and the dial will be back where you want it. I don't know if Dave planned this feature but let's go ahead and give him

credit for it. An undocumented feature. :-)

So, when guys and girls start getting this rig I expect to start seeing a lot of posts on QRP-L about how neat it is. As noted earlier \$90 for the board and parts and I don't know what the entire rig with case and case mounted connectors, knobs, etc. is going to be. Dave will determine that later on. For those lucky individuals that are going to Dayton be sure to see the rig at the QRP gathering at the Days Inn South. (<http://www.qrparci.org/>) This URL from a faulty memory so don't hold me to it. Dave reports that he will have a number of the 40 meter board kits at Dayton, so be sure to take some extra funds this year if you are interested in getting one.

So, an excellent rig and one that I will enjoy for some time to come. One of things that people have to get used to is that this rig uses a lot of software developed by Dave and that won't be available at any price. So unless someone spends a lot of time and energy you won't be seeing this rig done HB style as in previous cases with other rigs that don't use micros....

My sincere thanks to Dave for letting me be in on the first group to build and test this little rig. I have placed an order for the 30M version at this time.

This review humbly submitted for your enjoyment. dit dit

P.S. this review may be reproduced in any newsletter as is and with proper credit. Just let me know if you are gonna do that. I have had previous postings occur with any notice and I don't mind but it would be nice to know in advance so that I can give you any corrections/additions/etc. Thanks in advance.....

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.qsl.net/k5fo>

Date: Wed, 05 May 1999 11:23:58 -0600

From: Bruce Kizerian <kizerian@ced.utah.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39657] Re: Plug In Coils for Regens
Message-ID: <37307EAE.529A4850@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have not tried this, but what about winding your plug-in coils as toroids and gluing them to an eight pin DIP header. Your coil socket would be a DIP IC socket. The coils would be very compact and could be stored inside your radio in sockets soldered to an unused corner of your PCB.

Bruce kk7zz

Date: Wed, 5 May 1999 11:35:17 -0600
From: jaywa5whn@juno.com
To: qrp-l@lehigh.edu
Subject: [39658] {long} Oklahoma Tornados safely observed from New Mexico
Message-ID: <19990505.113521.-216851.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Monday, April 3, around 6:00 PM MDT {0000 UTC, April 4}, I was scanning the long range VHF/UHF repeater systems enroute home. We are very lucky in NM, since we have some very good VHF/UHF linking systems {Upper Rio, WA5IHL, Zia, Cactus, et al} within the State.

<http://www.qsl.net/n5ujj/upper-rio/upper.htm>

Occasionally, we would hear stations up in the panhandle of OK & Texas check into the Sierra Grande {near Des Moines, NM} repeater. I don't recall the station's callsign, but one of the mobile stations had checked in stating that he had just heard one of the Oklahoma hams mention on HF that there was several Tornados on the ground.

We have the capability of using the W5BI remote base, to command a HF xcvr via UHF. I had set the W5BI remote {IC-706} to 3,900 kHz, LSB {OK

emergency net freq.} I could just barely copy AB5J who was NCS. I could copy some of the Texas stations relaying in stations that the NCS could not copy. QRN was a problem due to the electrical storms. One of the Texas Stations had asked everyone to stand by for a low power station. Someone in OK {I did not copy who} was evidently on battery power, running no more than 20 watts trying to check in. I had immediately switched the remote base to 7,040 KHz cw 500 Hz filter. I would step the xcvr up & down, via the remote a few kHz listening for any familiar calls or the CQD or SOS or anything else that I may recognize as an emergency. Nothing, so I had switched back to 3,900 KHz LSB. One of the Texas stations had confirmed that a spotter {Law Enforcement I think} had confirmed a large Tornado had touched down with 2 more in sight and they were ~ 10 miles SW of OKC. QRN was still a problem, but the HF conditions were actually improving. I was able to copy AB5J regularly now. I had heard the NCS mention that they thought the tornado was possibly a F5. When I had arrived home, I had switched the home xcvr on {3,900 KHz}. For the next few hours, various OK stations would check in with what they had heard the spotters {Law Enforcement, Hams, public} report. Evidently, there was a family of tornados. One on the ground while several right behind it were forming. They were shooting video of what they could see. The US Weather Bureau had issued the tornado warnings & asked everyone to take shelter about 30 minutes prior to the tornados hitting OKC. Several of the OK hams had departed the net to seek shelter. All of the Texas Hams, on frequency, were occasionally calling certain stations to check on their status & reporting back to AB5J. Some of the stations did not return for several hours.

I had heard W5UWY in Cloudcroft, NM check in and offer to be a relay for those who could not copy the NCS in the affected area.

Some of the stations were asked to hold their H & W traffic. Almost all digital {Packet} circuits were down. I-35 & I-40 were both closed due to debris on the highways. I had switched on the AM BC radio & was able to copy the 1030 KHz Tulsa, OK station issuing Tornado sitings from spotter reports.

I had sent a message to a friend of mine in Tulsa to check on their family. He had responded via the internet that everything was OK in Broken Arrow at his location.

The local 50KW AM station {KKOB, 770 KHz} had announced that tornados were sited SW of OKC. If you had tried to call someone on the telephone in area code 405, you would have received an immediate fast busy signal.

I had forgotten to turn on the tape recorder.

The following day, May 4, I had heard on 7,285 KHz LSB via the W5BI remote NCS AB5J, Reg taking H & W traffic for the OKC area.

Some of the H & W can only be handled by phone, since there is so much debris in the main streets in SW OKC, that it would take some time to locate what is left of a residence to leave a message. Some towns, just outside of OKC are gone. I had heard AB5J state "please be patient, we are trying to locate everyone as quickly as we can."

This note does not represent all of those who are currently involved in the OK, TX & KS aftermath. I do apologize because I did not write down the callsigns that I had heard. I was impressed with what I had heard on the 75 & 40 meters nets. Strictly business and those who could help were quick in and out. What had surprised me was the Amateur Radio H & W query to my friend in Broken Arrow, OK and the response had come back about an hour later via the internet. :-)

Makes you appreciate every day.

72...Jay, WA5WHN DM65qd

Albuquerque, NM USA

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 5 May 1999 19:12:48 +0100
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>, "GQRP-L" <gqrp@onelist.com>
Subject: [39659] Screen Savers
Message-ID: <006901be9722\$e3cd08e0\$83ea5cc3@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If anyone is interested in having their own pictures added to a screen saver for your PC, let me know. The saver would be done on a floppy and you could either email or snail mail them to you. There would be a small charge to my local club funds. Any pictures you have of rigs, family, holidays, pets,

whatever.

Email me if interested

.....

Frank G3YCC G QRP 042, G QRP Sales Officer.

QRP web page <http://www.karoo.co.uk/g3ycc/>

Date: Wed, 5 May 1999 11:15:17 -0700 (PDT)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [39660] Using QRP CW rigs for RTTY or PSK31?
Message-ID: <19990505181517.7931.rocketmail@web119.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

This might be a real dumb question but I read a review of a CW rig. It might even been on one of the MFJ rigs. Any way the review mentioned that it would be OK for CW but for RTTY the power FET was running pretty hot and he wouldn't reccomend it.

My ears perked up. RTTY on a NORCAL 40 or one of the MFJ CW rigs? I don't see how. Be great if I could.

Is it possible to run RTTY or PSK31 on one of those rigs?

Jeff

===

Jeff Jones

AB6MB

NorCal QRP Club #65, QRP-L #1780

CW Forever!!!

Ghost Hunter

Owner of the Delta MudCats fantasy baseball team

Long live Manchester United and the Oakland A's!!!!!!

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Wed, 05 May 1999 11:09:28 -0700
From: Jim <w7ls@blarg.net>
To: hosinsky@royac.iac.es, qrp-1@lehigh.edu
Subject: [39661] Re: Radiation from fluorescent lights?
Message-ID: <37308958.C303F6D3@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello, Goran!

Well, I notices some interference from a flourescent light, once. I was listening on a cw rig and I heard a signal move in freq, passing through the freq I was on. I was in a camping trailer, so the light was operating from 12v. Therefore, it had a switching inverter that chopped the 12v into AC and then kicked the voltage up to 120 volts or so. The freq of the inverter was not controlled, and the switching spikes were terrible. That was the source of my interference from flourescent lights. Hope it helps. 73 de Jim, W7LS

Goran Hosinsky wrote:

> Sorry, this is not very QRP except that the signal strength
> must be low.
>
> Does anyone know what type of radiation, frequency etc.,
> that is produced when you switch on normal room lights
> of the fluorescent type? Just at the switching on moment
> the lights flash a bit before being completely on. During
> this phase I got bad problems with interference to a CCD
> camera.
>
> The camera is on a UPS and have ferrite on the power cable,
> switching to an ungrounded outlet helped but did not resolve
> the problem.
>
> Knowing exactly what I have to deal with would make it
> easier to find a solution.
>
> Saludos
>
> Goran ea8yu

Date: Wed, 5 May 1999 13:25:22 -0500
From: "Chris Cieslak" <ccieslak@law.uiuc.edu>

To: <fantbb@yahoo.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [39662] Re: Using QRP CW rigs for RTTY or PSK31?
Message-ID: <004501be9724\$a33c2fc0\$0f1215ac@classifiedventures.com>

It's possible to run RTTY on a CW rig, since all you are doing is shifting frequency. However, PSK31 requires an SSB-capable radio due to its more complex modulation.

73 chris aa9hd

> My ears perked up. RTTY on a NORCAL 40 or one of
> the MFJ CW rigs? I don't see how. Be great if I
> could.
>
> Is it possible to run RTTY or PSK31 on one of
> those rigs?
>
> Jeff

Date: Wed, 05 May 1999 13:38:59 -0500
From: mjfitz@uswest.net
To: Wayne Burdick <n6kr@elecraft.com>, qrp-l@Lehigh.EDU
Subject: [39663] 10 M SST
Message-ID: <37309043.20FA3D9E@pop.omah.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Wayne,

Nice (and surprised!) to hear from you. I have been an admirer of your work and think you are some kind of electronic genius (the right kind, that is...).

Yea, I figured the gain would be down thru the mixers at 28 MHz and had been eyeing the single-transistor RF amp circuits in the cookbooks...and realizing it might need a switching transistor as a sidekick to prevent destruction.

I was amazed, however, to hear a couple of quite weak signals on the Ten Tec that I could also hear on the SST almost as well. I would "guesstimate" that the signal thru the SST was only 3-5 dB down (just noticable difference), and I swear it made my jaw literally drop when I heard it...At this point I proceeded with building a transmitter board and wiring the thing up.

The freq. doubler circuit I used is a half-wave 1N4148 followed by a single NPN (metal 2N2222A) -- about ten parts. I used both varactors (108 & 209) soldered to the backside of a DPDT toggle. The inductor is 27 T on a T50-2, and the thing tunes .043-.063 right now...haven't really tweaked on it much yet, just got it in the ballpark. I used the standard 3.93 Digi-Key IF xtals. The gain thru the doubler is unity, what went in seems to come out, only twice the freq. The text in "Solid State Design" stated that if you didn't use matched diodes you would find the fundamental down about 40 dB at the output, and if you matched them it would be near 60 dB down. I matched them...and cannot see anything on the scope (Tek TDS 210) but a nice 32 MHz sine...

OK Wayne, thanks for the encouragement. And yes, I hope to work you SST to K2 on the bands someday, too. I also expect to be able to work you K2 to K2 one of these days soon because I know that Christmas in May (or maybe June) is coming when the UPS guy comes strolling up the sidewalk with a nice box and wants me to sign for it...I dropped my order in the mail for a K2 on the Friday BEFORE the Monday when you first started taking regular orders. Hey, tweak that baby all you can before you sent it to me...I can wait!

Later, 'O Great One
Mike KI0AF

Date: Wed, 5 May 1999 14:57:07 -0400
From: "Michael St. Angelo" <mstangelo@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39664] RE: Plug In Coils for Regens
Message-ID: <01BE9707.94F98BA0@215.newark-15-20rs.nj.dial-access.att.net>

I have used the bakelite bases from faulty vacuum tubes as plug in coil forms for my projects.

Finding dead tubes is not that hard today; finding the sockets is.

Antique Radio Supply sells the sockets...I usually find sockets at flea markets or cannibalize them from discarded chassis'.

Mike,

N2MS

Date: Wed, 5 May 1999 14:57:20 EDT
From: Robsparks@aol.com
To: qrp-l@lehigh.edu
Subject: [39665] AR QRP Net tonight
Message-ID: <805ab53d.2461ee90@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

AR-QRP 40 m Net Wednesday Night

The AR-QRP 40 m net is tonight, Wednesday, at 0030Z (7:30 CDT) at 7.042 MHz. Bob, AB5ZD is NCS and will be calling "QST AR QRP NET de NQ5RP PSE QNI". (Note the use of our new club call!) At that time, please send your full call. When I copy it, I will return your call and AS (stand by) while more call in. When I have the list, I will start at the top and go down the list for reports and comments. If you are trying a new rig or antenna, tell us about it! This is a fun, informal net. It is a low hassle way to learn how to check into a net, and you don't need to be a member of the AR-QRP Club to check in. We welcome new check-ins!

72,

Bob AB5ZD

Date: Wed, 05 May 1999 12:16:32 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [39666] Re: Using QRP CW rigs for RTTY or PSK31?
Message-ID: <37309910.DD692CD6@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff et al,

I have successfully run RTTY on a NorCal 20 at 5 watts output. I still have much more work to do before I'm willing to share the details ... but it can be done.

Jeff wrote:

> This might be a real dumb question but I read a
> review of a CW rig. It might even been on one of
> the MFJ rigs. Any way the review mentioned that
> it would be OK for CW but for RTTY the power FET
> was running pretty hot and he wouldn't reccomend
> it.

Date: Wed, 05 May 1999 14:21:21 -0500
From: Adam Israel <adam@battleaxe.net>
To: qrp-1@lehigh.edu
Subject: [39667] General QRP Questions
Message-ID: <3.0.6.32.19990505142121.007a27f0@mail.battleaxe.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi all,

I'm fairly inexperienced still, and had some general questions about QRP that may clear up some of my misconceptions.

First, what is the definition of QRP?

I understand that QRP involves low-power rigs. Is this limited to home-built rigs, commercial rigs, etc?

At what power does a rig stop being QRP?

Right now, I primarily run 2M at 10 and 50W (Until I upgrade to General this summer). I'm also in the Chicago Suburbs (Aurora). If anyone could enlighten me a little, or direct me to some good resources, I would greatly appreciate it.

73 de KB9RK0

/-----/
/ Adam Israel - adam@battleaxe.net
/ Clan BattleAxe - <http://www.battleaxe.net/index.html>
/ "Where am I, and what am I doing in this handbasket?"
/-----/

Date: Wed, 5 May 1999 15:38:22 EDT
From: MKBalvanz@aol.com
To: qrp-l@lehigh.edu
Subject: [39668] Half watt IC TX
Message-ID: <28805194.2461f82e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I'd like to put together one of the IC transmitters. I should have most of the parts in my meager junk box, except for the IC. I looked in the Radio Shack catalog and they don't carry the 74HC240. However they do stock the 74HCT240. Would this chip work in the circuit? And what's the difference between the two?

72 and thanx!
Matthew KC0AYG Ames, IA

Date: Wed, 05 May 1999 16:05:39 +0000
From: David Maliniak <dmaliniak@penton.com>
To: adam@battleaxe.net, qrp-l@lehigh.edu
Subject: [39669] Re: General QRP questions
Message-ID: <37306C47.C77D2FD8@penton.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Adam:

Well, welcome aboard. First thing you should know is that you came to the right place. QRP-L is one of the greatest things that's ever happened in the QRP world. If you can't get your questions answered here, you can't get them answered anywhere. On the list are gurus of the highest caliber in every conceivable area of ham radio in general, not just QRP. Oh, and by the way, I'm most definitely **not** one of them! You'll hear from a few, though, I'll bet.

Definition of QRP: Output power of 5W or less on CW. On SSB, it's generally accepted as 10W input/5W output assuming PA efficiency of 50%. Back in the "old days," QRP was thought of as anything under 100W. That changed in the 70's, I think. Now, the 5W limit on CW is pretty much the

rule.

Yes, QRP means low power but it doesn't necessarily mean either home-brew or commercial in terms of your station gear. You'll find, in general, that QRPers are among the best and brightest out there in terms of homebrewing. Many of us, myself included, have stations that are entirely composed of home-built equipment. My stuff is mostly from kits but not all; some things (like my antenna tuner) are built from scratch. Some folks, though, have entire stations that they built from scratch. Doesn't have to be that way. QRP only has to do with your output power. You can simply turn down the wick on a kilobuck rig if you want... makes you QRP.

QRP is, more than anything else, a mindset. To me, it's about making the most you can out of a little. It's about seeing what you can get out of a few watts and, in my case, less-than-optimal antennas. Oh, you'll get a lot of opinions on antennas, too. You didn't ask about that. Some operators think they need to use beams and towers, and some limit themselves to random wires in their lilac bushes. Neither one makes you more QRP than the other. I lean more toward the lilac bushes myself but that's not entirely my choice. :-)

The thing I like best about QRP and QRPers is that it's a gentle art. We're not about brute force and we're obviously not about having the loudest signal on the band. We're about communicating, mostly. I should add that amongst the QRPers, you'll find not only world-class homebrewers but many, many world-class operators. I know that running QRP has made me a better op than I was running 100W. Part of that is accumulated experience but part of it is that I've learned more about *listening*. QRP operation will teach you patience if you don't have it already.

The gentle nature of QRP even extends into the contesting arena. Whereas the usual QRO contesting (Sweepstakes, DX tests, etc.) will force you to deal with 30+ and 40+ wpm CW speedsters if you want to make contacts, QRP contests are far more casual and friendly affairs. It's not uncommon, in the course of a QRP contest, to find yourself stopping off long enough to exchange friendly hellos or more with fellow QRPers as you complete the contest exchange at a leisurely pace. You won't have that happen to you too often in a DX contest. QRP contests are more mass get-togethers than frenzied gotta-rack-up-points hysterics.

You mention that you're on 2 meters, and I assume that means on local repeaters in the Aurora area. Most of us are primarily active on the HF bands and around the QRP calling frequencies. When you do upgrade, you'll find the QRP action on 3.560, 7.040, 14.060, 21.060 and the like. I'm talking CW here.

Resources... check the NorCal (<http://www.fix.net/~jparker/norcal.html>)

and NJ-QRP (<http://www.njqrp.org>) websites for starters. On both, you'll find links to many others, including commercial vendors of kits for the HF bands.

Good luck and again, welcome aboard. Please let us know when you've successfully upgraded to General so we can look for you on the bands.

72,
David N2SMH
Glen Rock, NJ

Date: Wed, 5 May 1999 14:12:30 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Joel Malman <malman@world.std.com>
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>, k1qm@world.std.com
Subject: [39670] Re: SB from VE5QRP
Message-ID: <Pine.LNX.3.95.990505140809.4975D-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Joel!...I'm taking the week of May 17 off for much needed R&R...BUT, being a true qrper, what could be more relaxing than to operate qrp?...heh,heh,heh...IF I'm able to work something out I will post it with the required 24 hours notice or more and I will be looking at SSB as well as CW...as you know I have done some SSB operation for the Spring Bouquet event and I checked 15 & 10 mtrs but they were dead and so I ended up on 14.285....but I'll keep on checking eh?!.....

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - Regina, Saskatchewan, Canada
Amateur Radio Stamp Collector "QRP! How sweet it is!"

On Wed, 5 May 1999, Joel Malman wrote:

> Bruce,
>
> I believe YOU were my first SB QSO. What I would really like to see,
> is 10m open so I can QRP work all the SB folks on SSB.
>
> FYI:
>
> I finally figured out what was wrong with my QRP setup. Of all things
> that might break, the damn jumper from 'longwire' to balanced line
> on my MFJ tuner had a cold solder joint. So I trashed the jumper and
> all is much better.

>
> --
> /joel K1QM (Ex-wa1qvm) Concord, Massachusetts
> QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884
>

Date: Wed, 05 May 1999 11:25:10 -0400
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: w0yse@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39671] Re: solution to Antenna Launching
Message-ID: <373062D6.764EFDEA@gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I had a local tree service out to remove some of the dogwoods that died during last summer's drought. Now I have room to put up my tower.

I spoke with the tree service proprietor about the best method for launching things. He tells me that he prefers a throw bag available from outfits like Ben Meadows, Forestry Supply, etc. He strongly recommended the teardrop shaped bag. Says that, with some practice, he can reliably put a line through a tree crotch 50-60 feet up.

I bought one of the bags listed in the Ben Meadows catalog. Cost about \$18.00 plus \$6.00 shipping. Came with 120' of polypropylene line. Bag contained 1lb of shot in a sewn nylon sack. I would estimate manufacturing cost at \$2-3.00 (hello NorCal). Just got bag last week and have not yet had a chance to use it. Stand by for further info.....

Henry

Neil Klagge wrote:

> Joe S. and gang,
>
> I sure like Joe's idea of using a water bottle to launch an antenna wire.
> I tried the slingshot method on two different occasions and could never
> get it to work for me. I even lost my 11/16" socket and
> tangled up a lot of fishing line. Had a hard time seeing the fishing

> line too. Finally, during QRPTTF I resorted to using a 1 pound hammer
> and my spool of nylon twine. I got it up over 30' in the first try and
> did not lose the hammer! The bottle idea sounds even better as it would
> be safer than a falling hammer.
>

Date: Wed, 5 May 1999 15:37:47 -0500 (CDT)
From: PHILLIPS RICHARD <phillips@msoe.edu>
To: "Michael St. Angelo" <mstangelo@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39672] RE: Plug In Coils for Regens
Message-ID: <Pine.OSF.3.96.990505153552.28797A-100000@torres.msoe.edu>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 5 May 1999, Michael St. Angelo wrote:

>
> I have used the bakelite bases from faulty vacuum tubes as plug in coil forms
> for my projects.

Best idea I heard yet on this subject. You could use it as a coil form
itself or put a toroid inside of it as somebody else suggested.

Richard Phillips
Lab Technician
Milwaukee School of Engineering
414-277-7388, phillips@msoe.edu

Date: Wed, 05 May 1999 11:16:19 -0400
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: jamesd1@flash.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [39673] Re: Discussions with 5 Great Living Hams (long)
Message-ID: <373060C3.91F4FF31@gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

John Kraus is still around....and quite accessible. I spoke with him on the landline 2-3 yrs ago when I purchased his radio astronomy book (W8JK is also one of the founders of that discipline). He mentioned (wistfully, I think) that it seemed that most of the young people who would have gravitated towards amateur radio when growing up in the 30's to 70's are found on the internet today. Probably true.

Personally, I am convinced that John Kraus is a genius...ranking right up there with Richard Feynman et al.

He also has a grad student at OU screening most of his outside calls. I think that the students name was Harry (?) but I don't remember the last name.

I would not presume to speak for Dr. Kraus but in answer to your question about thought processes:

The Lazy H was a well established feature of radio life by the late 30's. The W8JK array is a shortened version of the Lazy H. Kraus' insight was realizing that he could get optimal performance out of a shortened array...the improvement was incremental rather than quantum. He did it though...and it worked. I am not sure about helix and corner reflectors.

Henry

John Kraus, W8JK, is the inventor of the "two half waves out of phase" or W8JK antenna, the helix antenna and the corner reflector antenna. Kraus is also the author of a classic antenna book entitled "Antennas" that appeared first in the early 50s and is still in print today.

I would ask John:

Can you describe the thought process that went into inventing each of the three antennas mentioned above?

What role did amateur radio play in the invention of these antennas?

What role do you think today's amateurs can play in developing new antennas?

Date: Wed, 5 May 1999 10:51:36 -1000 (HST)
From: "Mike W. Burger" <mike@gold.chem.hawaii.edu>
To: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [39674] Re: solution to Antenna Launching
Message-ID: <Pine.SUN.3.91.990505104501.18032A-1000000@gold.chem.hawaii.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have tried sling shots and they work well. The problem is a heavy enough shot so that once the string goes up, it will come back down. If a lot of weight is not used, it will snag instead.

My best results have come from a standard heaving line. I have used various things on the line, including a 10 ounce lead pear shaped fishing weight.

You can also get line on spools with a plastic stake through the middle. They unroll great if they are pushed into the ground with the end of the spool pointed in the direction you want it to unwind. They are available with fluorescent dayglow string colors making them easy to see.

A heavy weight like a shot bag or a big lead sinker like sold at stores that cater to ocean fishermen works quite well. I use a standard windup and underhand throw technique. Do not use cord that is not smooth or it will easily snag on tree bark and remember what goes up should come down. Thus a heavy weight is a great idea.

I was really taken with the idea of using a water bottle. That is heavy weight that you need with you any way. Or it can be easily transported empty and filled on site if you have a local water fountain. One of those tall skinny water bottles should be ideal, I am searching for one myself.

Nothing is worse than a line that goes up into the tree and does not come down, followed by a careful pulling back that suddenly stops and seizes up.

And do be careful!!! I have found my big lead pear shaped weight on the other side of the tree embedded about two inches into the soft ground where it came down.

Mike Burger University of Hawaii at Manoa Dept. of Chemistry

Date: Wed, 5 May 1999 17:06:19 -0400

From: Duffer <hduff@ica.net>
To: qrp-1@lehigh.edu
Subject: [39675] Near completed WM-40 for sale.
Message-ID: <1.5.4.16.19990505170518.3f877f4c@ica.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have a Small Wonder Labs White Mountain-40,
40 meter SSB QRP board for sale.
The board is about 85-90% built and comes with
the remaining parts to complete it and manual.
\$80 post paid.

Hugh, VA3T0

Date: Wed, 05 May 1999 17:01:19 -0400
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: "Mike W. Burger" <mike@gold.chem.hawaii.edu>
Cc: Henry Freedenberg <henryf@quartz.gly.fsu.edu>, Low Power Amateur Radio
Discussion <qrp-1@Lehigh.EDU>
Subject: [39676] Re: solution to Antenna Launching
Message-ID: <3730B19F.A1091C2A@gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike

Try your local bike shop. The big bottles hold about 16 fl oz. Last time
I looked, this came out to a lb so the weights would be equal.

Henry

"Mike W. Burger" wrote:

>
> I was really taken with the idea of using a water bottle.
> That is heavy weight that you need with you any way. Or it can
> be easily transported empty and filled on site if you have a local
> water fountain. One of those tall skinny water bottles should be
> ideal, I am searching for one myself.
>

Date: Wed, 5 May 1999 17:22:45 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.edu>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [39677] WTB:Assembled NC-20
Message-ID: <199905051724_MC2-7483-FC6C@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

Here is a shot in the dark :-). Want to buy a fully assembled NC-20 rig.
If you have one available, please let me know.

TIA es 72,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 7187
Bismarck, ND 58507
70511.3041@compuserve.com

Date: Wed, 5 May 1999 16:30:46 -0500
From: "Joe S" <joe@quadj.com>
To: <henryf@quartz.gly.fsu.edu>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [39678] Re: solution to Antenna Launching
Message-ID: <022201be973e\$8ad60180\$1ad132ce@joes>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Mike, Henry, et al

I use a DEJA BLUE water bottle(this is excellant water and probably the
least expensive.) But Ozarka, Sparkletts, Evian and all the others have
simular bottles, all are about 1/2 a liter and work great. I can lob/heave
them 40' to 60' into almost any location(sometimes takes a couple of tries
:))

72.3 Joe KK5NA "Have Water bottle, will travel :) "

-----Original Message-----

From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, May 05, 1999 4:13 PM
Subject: Re: solution to Antenna Launching

>Mike
>
>Try your local bike shop. The big bottles hold about 16 fl oz. Last time
>I looked, this came out to a lb so the weights would be equal.
>
>Henry
>
>"Mike W. Burger" wrote:
>
>>
>> I was really taken with the idea of using a water bottle.
>> That is heavy weight that you need with you any way. Or it can
>> be easily transported empty and filled on site if you have a local
>> water fountain. One of those tall skinny water bottles should be
>> ideal, I am searching for one myself.
>>
>
>

Date: Wed, 5 May 1999 22:56:33 +0100
From: "Frank G3YCC" <frank@g3ycc.karoo.co.uk>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [39679] Note QRP!: Pen Pal wanted
Message-ID: <000201be9742\$5bc622e0\$5aef5cc3@prsat0x1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

My 13 year old grandson Daniel is interested in an email penfriend. Could I ask your help in finding one for him, boy or girl anywhere in the world? Please excuse my using the list for this non radio usage!

.....

Frank G3YCC G QRP 042, G QRP Sales Officer.
QRP web page <http://www.karoo.co.uk/g3ycc/>

Date: Wed, 05 May 1999 15:03:39 -0700
From: Bill Jones <kd7s@psnw.com>
To: qrp-l@lehigh.edu
Subject: [39680] Antenna Launching - Questions
Message-ID: <3730C03B.DCCF1C51@psnw.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Okay folks, I've been launching antennas for years with a slingshot without a problem. However, I can feel the pressure beginning to mount from park rangers and a few self appointed antenna sheriffs.

Henry Freedenberg mentioned a throw bag available from outfits like Ben Meadows, Forestry Supply, and that it comes with 120' of polypropylene line. I'm ready to investigate the possibilities but a few questions come to mind.

1. Do you try to throw the bag over handed (like a baseball) or do you use the "David" throw (as in David and Goliath)?
2. How do you lay out the line so it doesn't snag itself or pick up twigs as it unwinds.
3. How do you (quickly and accurately) rewind the line after a missed throw?
Hint: I don't want to carry a big plastic bucket in my backpack.

What do you think?

Date: Thu, 15 Apr 1999 05:20:01 -0500
From: "Charles Hamel" <cdhamel@pdq.net>
To: "QRP List" <qrp-l@Lehigh.EDU>

Subject: [39681] Very Basic Question
Message-ID: <005401be8729\$876f9bc0\$6119dfd1@cdhame1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all, I am going to ask a very basic question please understand that I am new to the building kits thing.

I have a DVM allthough I don't know how to use it!!, I have finished putting together a SWL 40+, and now I guess I need to test it. I hooked it up to power and nothing smoked haha,. Now should I check the voltage levels at the diffrent points on the board??

What should I set the DVM to?? A--, A~, V---, or V~??

Thanks for the help

Charles (KC5DXQ)

Date: Wed, 05 May 1999 18:19:13 -0400
From: Henry Freedenberg <henryf@quartz.gly.fsu.edu>
To: kd7s@psnw.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [39682] Re: Antenna Launching - Questions
Message-ID: <3730C3E1.59AFE7B4@gly.fsu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

The Ben Meadows catalog number is 132367. The bag came with 120' of line (not the 100' mentioned in the catalog). It is on p.168 of the Winter 99 catalog. Cost is \$17.95 plus S&H (not cheap). It should cost \$2.00 to duplicate..maybe.

Bill Jones wrote:

> 1. Do you try to throw the bag over handed (like a baseball) or do you
> use the
> "David" throw (as in David and Goliath)?
>

Tree service man said he prefers underhanded throw

>
> 2. How do you lay out the line so it doesn't snag itself or pick up
> twigs as it
> unwinds.
>

I haven't used it yet but the bag came with some fairly stiff
polypropylene. Just lay it out before you throw it I guess.

>
> 3. How do you (quickly and accurately) rewind the line after a missed
> throw?
> Hint: I don't want to carry a big plastic bucket in my backpack.
>

Gather it up I guess. I just got the package and I haven't had it out in
the field yet. Does not look all that difficult.

>

Date: Wed, 5 May 1999 15:49:37 -0700
From: "Radman" <radman@best.com>
To: <cdhamel@pdq.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [39683] Re: Very Basic Question
Message-ID: <199905052247.PAA29899@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Charles,

Set your DVM to "V---" to measure DC voltage. Red test
probe is positive. Black probe is negative or ground.

"V" represents voltage.
"A" represents amperes, or current.
"~" represents "AC" -- alternating current.
 "---" represents "DC" -- direct current.

I'm sure your test points in the SWL 40+ will all be read with "V---"

GL and let us know how it works :))

No smoke is good smoke,

72 - Conrad - NN6CW

I have a DVM allthough I don't know how to use it!!, I have finished putting together a SWL 40+, and now I guess I need to test it. I hooked it up to power and nothing smoked haha,. Now should I check the voltage levels at the diffrent points on the board??

What should I set the DVM to?? A--, A~, V---, or V~??

Thanks for the help

Charles (KC5DXQ)

End of QRP-L Digest 1448
